

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Beaman et al.

Application No.: 10/646,673

Confirmation No.: 1020

Filed: August 21, 2003

Art Unit: 1762

For: METHODS AND APPARATUS FOR
PROCESSING MICROFEATURE
WORKPIECES; METHODS FOR
CONDITIONING ALD REACTION
CHAMBERS

Examiner: D. P. Turocy

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement, pursuant to 37 CFR 1.114(c), accompanies the Request for Continued Examination (37 CFR 1.114) submitted herewith.

Applicants have not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark

Office has waived this requirement for all U.S. patent applications. Applicants submit herewith a copy of the cited non-patent literature, in accordance with 37 CFR 1.98(a)(2).

This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition, applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0665, under Order No. 108298715US.

Dated: 20 Apr. 1 2007

Respectfully submitted,

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2	Attorney Docket Number	108298715US
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code ² (#known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-4,388,342	06-14-1983	Suzuki et al.	
		US-4,894,132	01-16-1990	Tanaka et al.	
		US-5,062,446	11-05-1991	Anderson	
		US-5,286,296	02-15-1994	Sato et al.	
		US-5,754,297	05-19-1998	Nulman	
		US-5,851,294	12-22-1998	Young et al.	
		US-5,868,159	02-09-1999	Loan et al.	
		US-5,911,238	06-15-1999	Bump et al.	
		US-5,961,775	10-05-1999	Fujimura et al.	
		US-6,159,297	12-12-2000	Herchen et al.	
		US-6,190,459	02-20-2001	Takeshita et al.	
		US-2001/0001952	05-01-2001	Nishizawa et al.	
		US-2002/0042205	04-11-2002	McMillin et al.	
		US-2002/0195145	12-26-2002	Lowery et al.	
		US-6,508,268	01-21-2003	Kouketsu et al.	
		US-2003/0031794	02-13-2003	Tada et al.	
		US-2003/0094903	05-22-2003	Tao et al.	
		US-6,734,020	05-11-2004	Lu et al.	
		US-6,830,652	12-14-2004	Ohmi et al.	
		US-6,845,734	01-25-2005	Carpenter et al.	
		US-2005/0048742	03-03-2005	Dip et al.	
		US-6,955,725	10-18-2005	Dando	
		US-6,991,684	01-31-2006	Kannan et al.	
		US-7,022,184	04-04-2006	Van Wijck et al.	
		US-2006/0115957	06-01-2006	Basceri et al.	
		US-2006/0198955	09-07-2006	Zheng et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (#known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

Examiner Signature	Date Considered
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Attorney Docket No. 108298715US

Disclosure No. 03-0117.00/US

PTO/SB/08A/B (09-06)

Approved for use through 03/31/2007. GMB 0561-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Sheet	2	of	2	Attorney Docket Number	108298715US
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.96(e)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		MKS Instruments, Data Sheet, Downstream Plasma Source, Type AX7610, 4 pages, December 2002, < http://www.mksinst.com/docs/UR/ASTEXax7610DS.pdf >.	
		MKS Instruments, ASTEx® Microwave Plasma Sources and Subsystems, 1 page, retrieved from the Internet on November 19, 2004, < http://www.mksinst.com/PRG2.html >.	

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